Performance Data Sheet

AWF5528EXN

General Information

Model	AWF5528EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	6840	5990					
	Watts	1050	1070					
	Amps	4.87	4.83					
	Lb/h	87.9	80.4					
-10	Btu/h	8620	7680	6690				
	Watts	1150	1180	1190				
	Amps	5.28	5.30	5.30				
	Lb/h	110	102	93.3				
-5	Btu/h	10600	9510	8420	7310			
	Watts	1240	1290	1310	1310			
	Amps	5.67	5.75	5.80	5.82			
	Lb/h	134	126	116	106			
0	Btu/h	12700	11500	10300	9070	7830		
	Watts	1330	1380	1420	1440	1430		
	Amps	6.01	6.16	6.28	6.36	6.38		
	Lb/h	160	151	141	130	117		
5	Btu/h	14900	13700	12300	11000	9620		
	Watts	1400	1470	1520	1550	1570		
	Amps	6.33	6.53	6.72	6.87	6.97		
	Lb/h	188	178	168	156	143		
10	Btu/h	17400	16000	14500	13100	11600	10100	8600
	Watts	1470	1550	1620	1670	1700	1710	1710
	Amps	6.60	6.88	7.14	7.36	7.54	7.64	7.67
	Lb/h	218	208	196	184	170	156	140
15	Btu/h	20100	18500	16900	15300	13700	12000	10400
	Watts	1520	1620	1710	1770	1820	1850	1870
	Amps	6.83	7.18	7.52	7.82	8.07	8.26	8.37
	Lb/h	249	239	227	214	200	184	168
20	Btu/h	23000	21300	19500	17700	16000	14200	12400
	Watts	1570	1690	1790	1870	1940	1990	2030
	Amps	7.01	7.45	7.86	8.25	8.59	8.86	9.06
	Lb/h	284	272	260	246	231	216	198

25	Btu/h	26100	24200	22300	20400	18400	16500	14500
	Watts	1600	1740	1860	1960	2050	2120	2180
	Amps	7.15	7.67	8.17	8.64	9.07	9.43	9.72
	Lb/h	320	308	295	281	266	249	231
30	Btu/h	29500	27400	25400	23200	21100	19000	16900
	Watts	1620	1780	1920	2040	2150	2240	2330
	Amps	7.25	7.85	8.44	9.00	9.52	9.98	10.4
	Lb/h	359	347	333	318	302	285	266
35	Btu/h	33100	30900	28600	26300	24000	21700	19400
	Watts	1630	1810	1970	2120	2250	2360	2470
	Amps	7.29	7.98	8.66	9.32	9.93	10.5	11.0
	Lb/h	401	388	374	358	341	323	304
40	Btu/h	37000	34600	32100	29600	27100	24600	22100
	Watts	1630	1830	2010	2180	2330	2470	2600
	Amps	7.28	8.06	8.84	9.60	10.3	11.0	11.6
	Lb/h	445	432	417	401	383	364	344
45	Btu/h	41200	38600	35900	33200	30500	27800	25100
	Watts	1610	1830	2040	2230	2410	2580	2730
	Amps	7.21	8.10	8.98	9.84	10.7	11.4	12.1
	Lb/h	493	479	463	446	428	408	388
50	Btu/h	45600	42800	39900	37000	34100	31200	28300
	Watts	1580	1830	2060	2270	2480	2670	2850
	Amps	7.08	8.08	9.06	10.0	11.0	11.8	12.6
	Lb/h	543	528	512	495	476	455	434
55	Btu/h	50400	47400	44300	41200	38000	34900	31700
	Watts	1530	1810	2060	2310	2540	2750	2960
	Amps	6.90	8.00	9.10	10.2	11.2	12.2	13.1
	Lb/h	597	581	565	546	527	506	483

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.848247E+04	3.254141E+01	5.915044E+00	1.832695E+02
C2	6.178266E+02	-2.739587E+00	-2.512943E-02	5.970325E+00
C3	-1.471297E+01	2.690092E+01	-2.890689E-02	3.152483E-01
C4	5.109466E+00	-3.541446E-01	-1.405310E-03	3.959846E-02
C5	-2.166238E+00	1.947636E-01	1.007889E-03	-5.570334E-03
C6	-9.427980E-01	-1.475494E-01	5.833691E-04	-8.245388E-03
C7	1.681014E-02	-7.159189E-04	-2.978622E-06	1.718679E-04
C8	-1.911970E-02	2.167242E-03	8.279053E-06	-2.375922E-05
C9	-1.017769E-03	4.688931E-04	1.642466E-06	-2.805885E-05
C10	2.713965E-03	1.720982E-04	-2.582062E-06	8.740000E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature